



# NEODENE® 1112 IO

## Higher Olefins

Issued: November 2015

SICC Product Code: V1147

### Description:

NEODENE® 1112 IO contains C11 and C12 olefin isomers produced by the Shell Higher Olefins Process (SHOP) by the oligomerisation of ethylene.

Typical Chemical Properties <sup>a</sup>	Property	Unit	Value	Method
	C10 & Lower	%m/m	< 1.5	SMS 2976
	C11	%m/m	35 – 56	SMS 2976
	C12	%m/m	43 - 64	SMS 2976
	C13 & Higher	%m/m	< 2.0	SMS 2976
	Appearance		CSFVI <sup>b</sup>	Visual
	Color, Pt-Co		< 10	ASTM D1209
	Water	mg/kg	< 100	ASTM E1064

a: An official sales specification is available from your local Shell Chemicals representative.

b: Clear & Substantially free of visual impurities

Typical Physical Properties <sup>a</sup>	Property	Unit	Value
	Density @ 20 °C	kg/l	0.760
	Boiling Point Range	°C	176 – 233
	Flashpoint	°C	74
	Freezing point	°C	< -62
	Kinematic viscosity @ 20 °C	mm <sup>2</sup> /s	1.6

a: An official sales specification is available from your local Shell Chemicals representative.

### Storage and Handling

NEODENE® Internal Olefins can be supplied with or without antioxidant as requested. Advice on the storage and handling of NEODENE® can be found in the Safety Data Sheet on our website at [www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets](http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets) or by contacting your local Shell Chemicals Representative.

### Hazard Identification

Internal Olefins are potentially hazardous material; everyone concerned with handling it must be conversant with the nature of the hazards and trained in the recommended handling procedures for both normal and emergency situations. Before handling the product refer to the Safety Data Sheet that is available on our website at [www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets](http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets) or by contacting your local Shell Chemicals Representative.

### Emergency Helpline

For emergency telephone numbers refer to the Safety Data Sheet relevant for your company's country and language.

### Shell Warranties

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